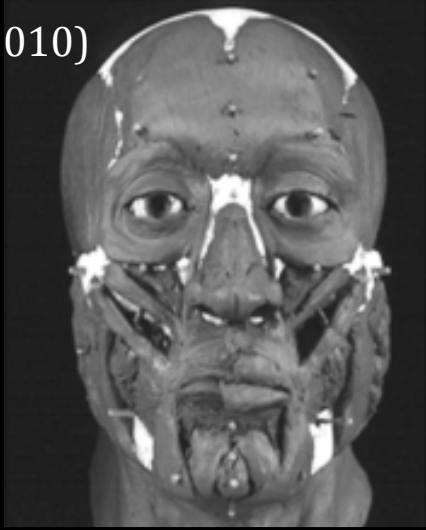


(Wilkinson 2010)

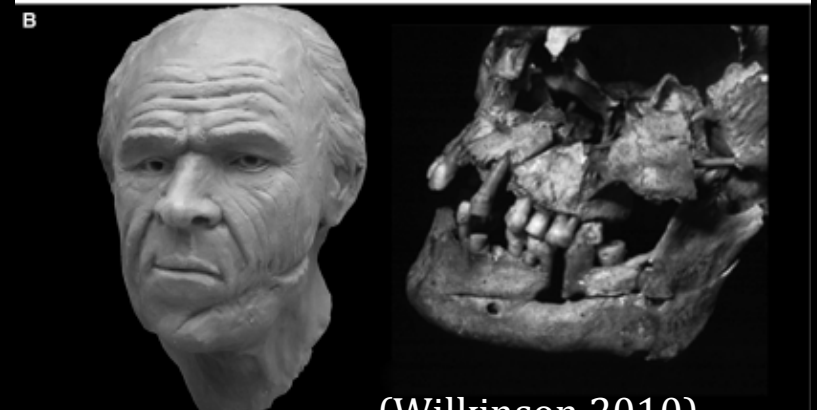
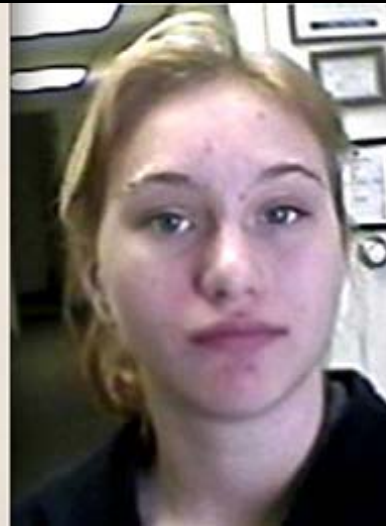


The New Generation of Forensic Facial Reconstruction



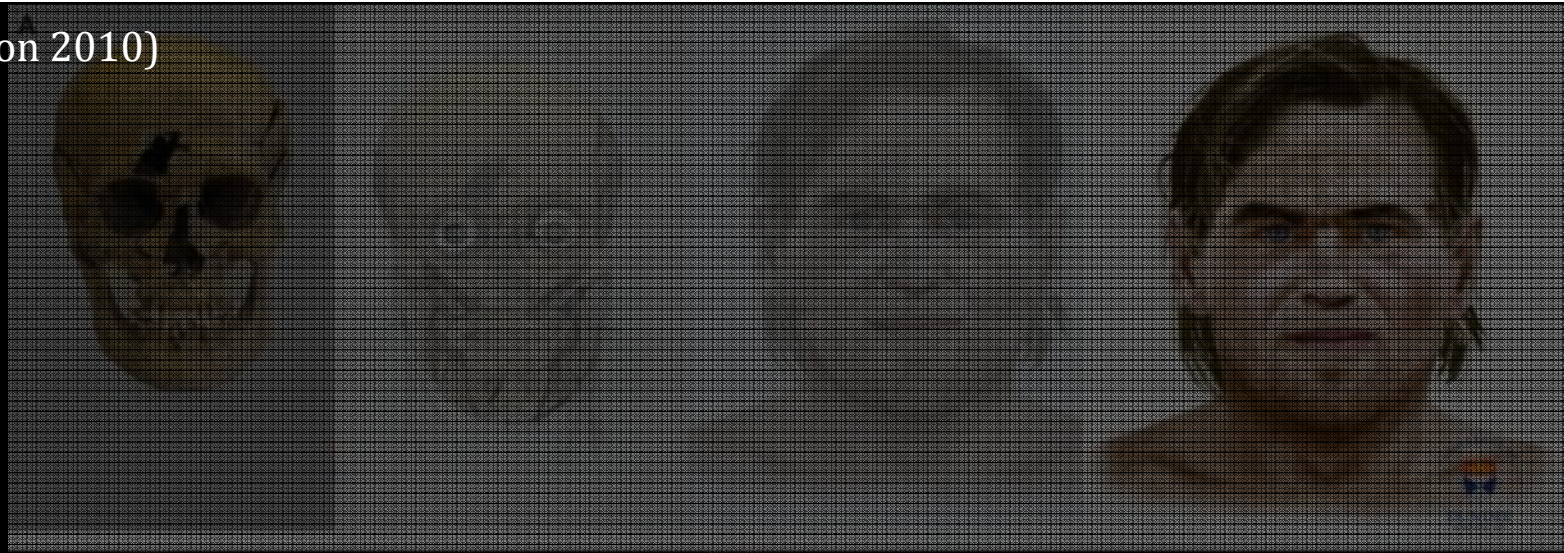
générés sur toutes les images.
Froesch

What is Forensic Facial Reconstruction?



(Wilkinson 2010)

(Wilkinson 2010)

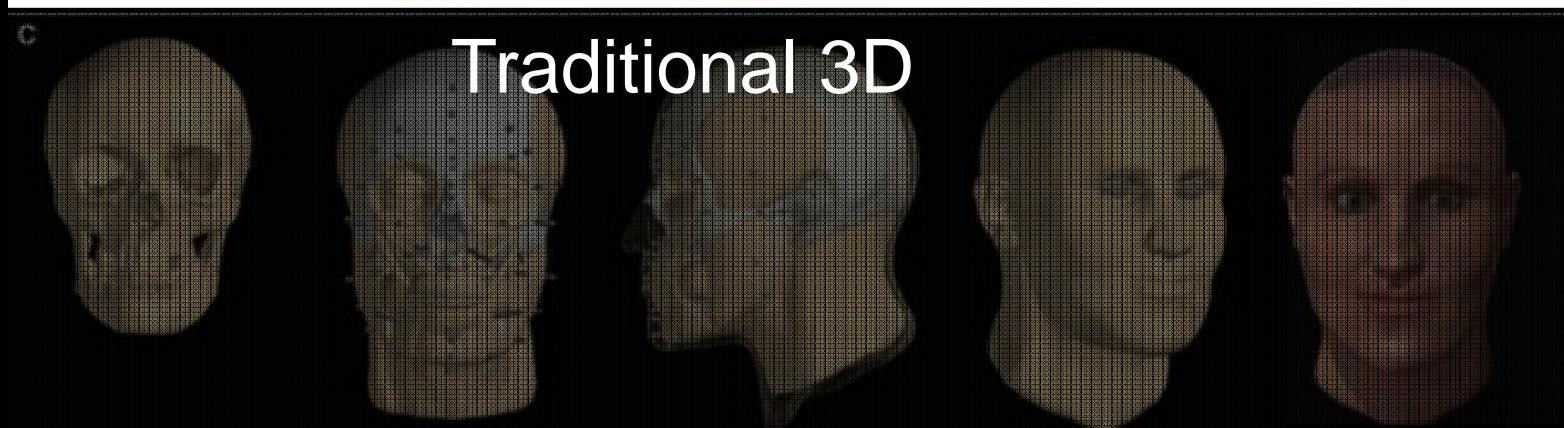


B



C

Traditional 3D



(Wilkinson 2010)



Traditional 2D



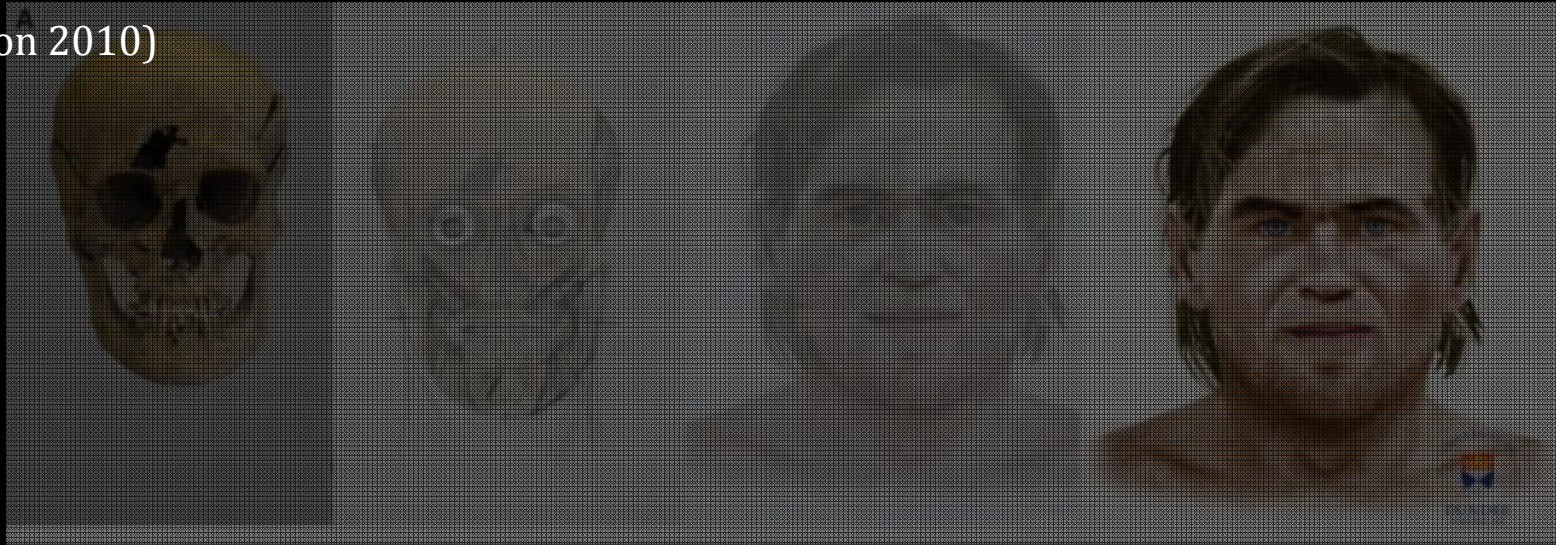
Digital 2D

Figure 1 PRO-fit screenshot showing a full face within which witnesses select facial features



Note: In this example, the "face shape" (shown in dark grey (red when viewed in colour) in the Model dialog, top right) is being selected

(Wilkinson 2010)

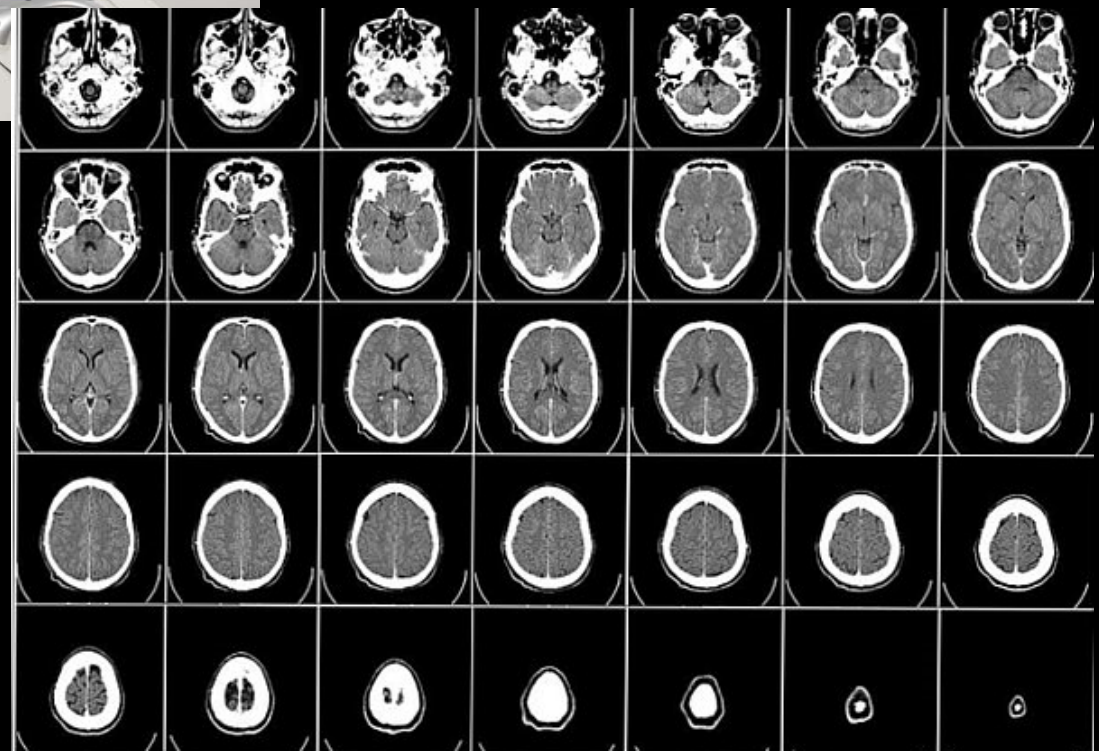


Digital 3D

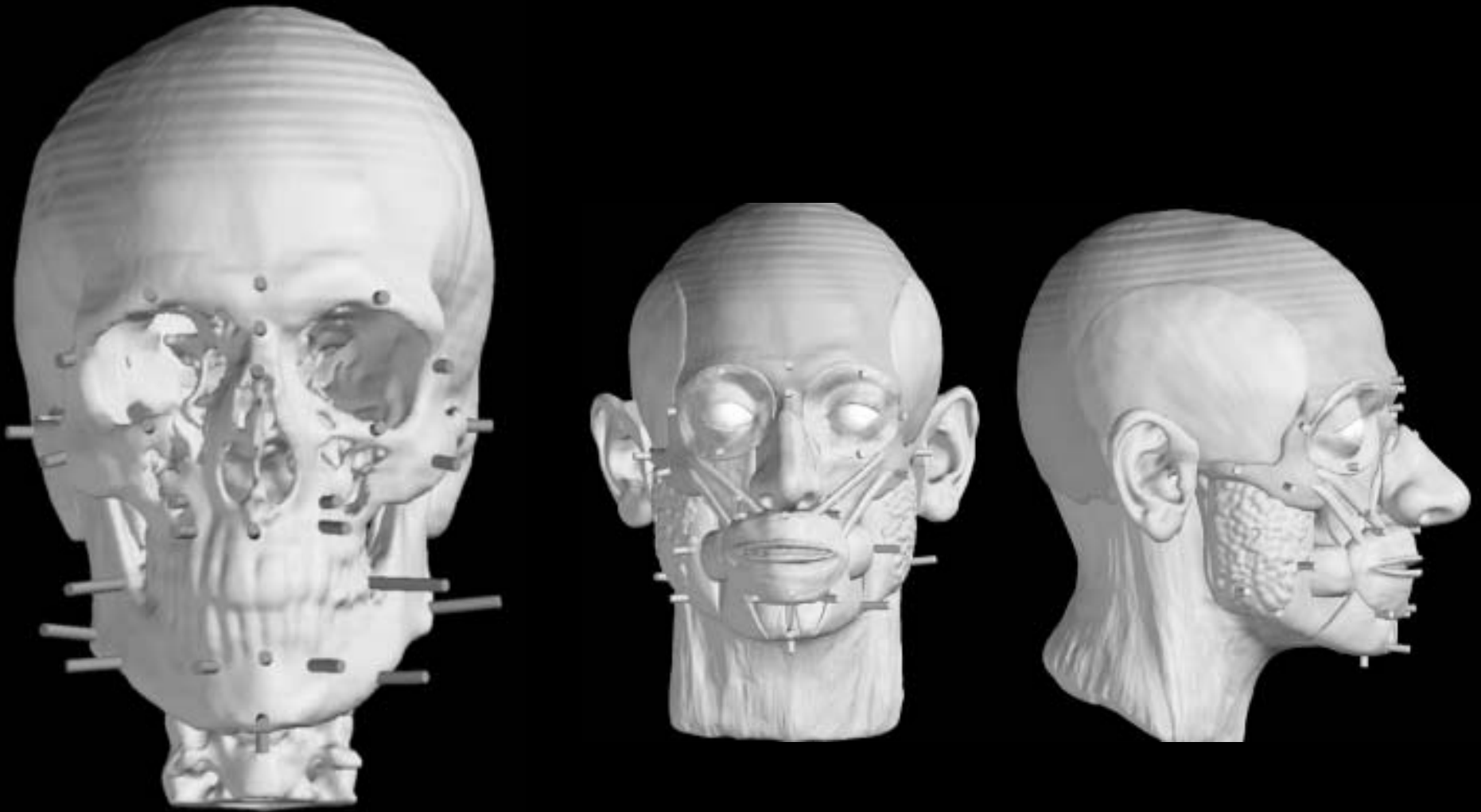




CT Scan vs MRI Scan

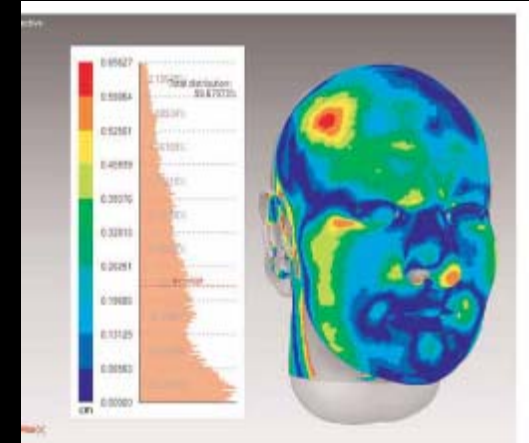
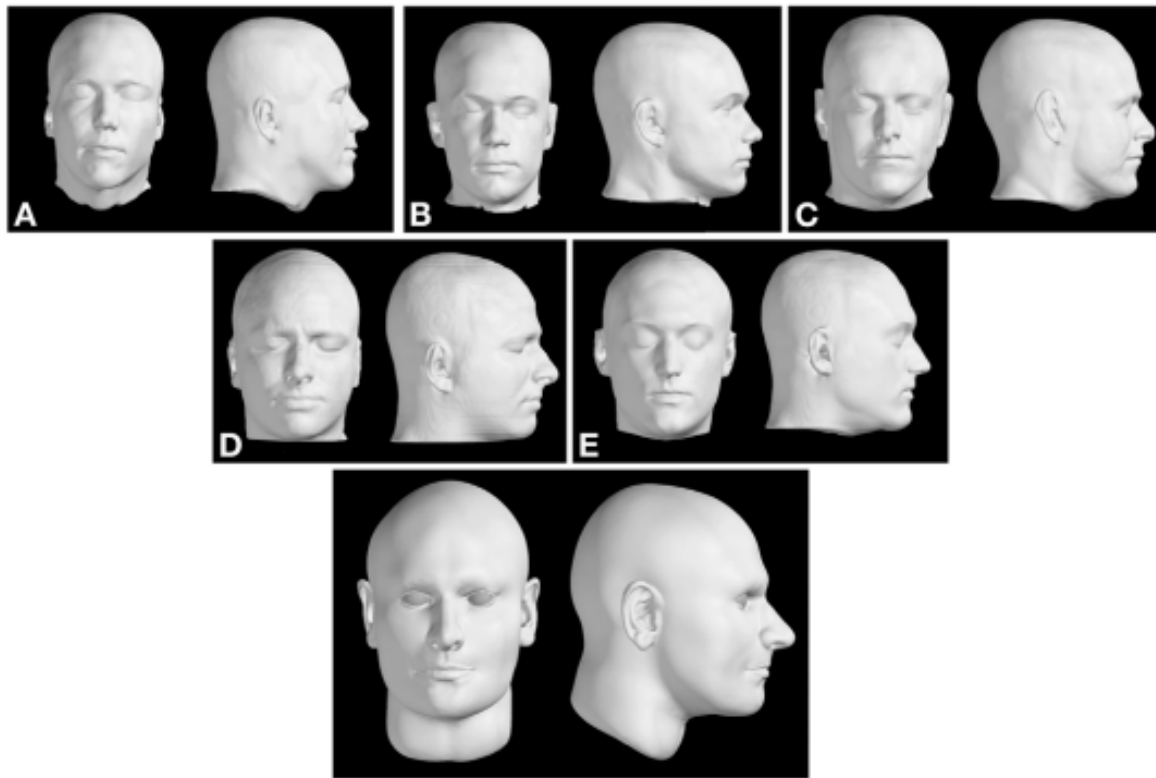


(Wilkinson et al., 2006)

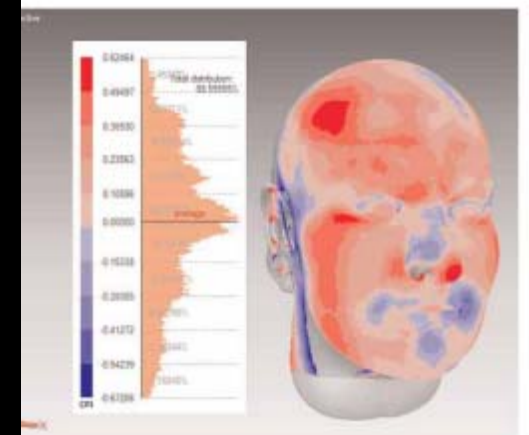


New Generation Techniques

(Wilkinson et al., 2006)

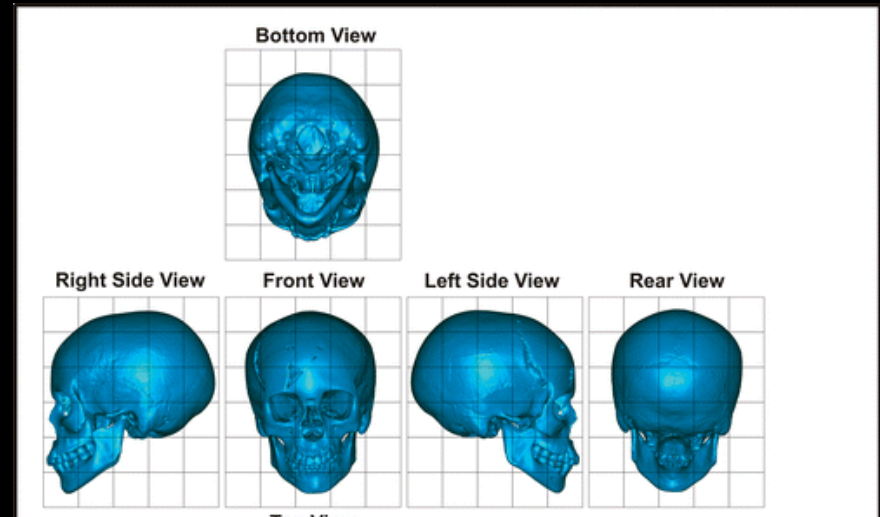
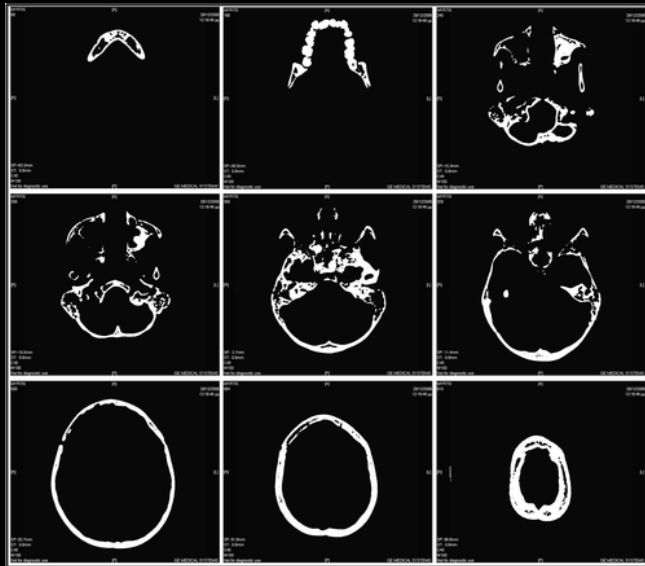


6. Comparison of the facial reconstruction with the facial scan of the male subject using Rapidform™ 2004 PP2 show-absolute values (cm).



7. Comparison of the facial reconstruction with the facial scan of the male subject using Rapidform™ 2004 PP2 show-signed values (cm).

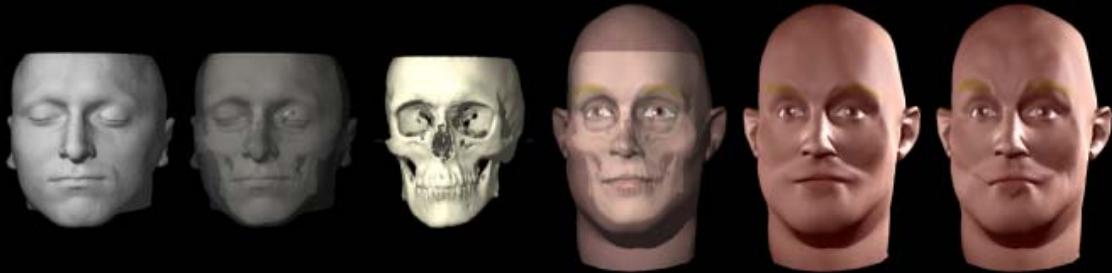
New Generation Techniques



New Generation Techniques



New Generation Techniques



(Kähler et al., 2003)

(Romeiro et al., 2014)

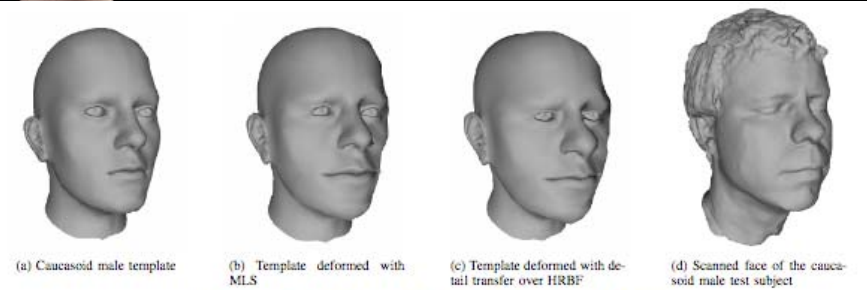
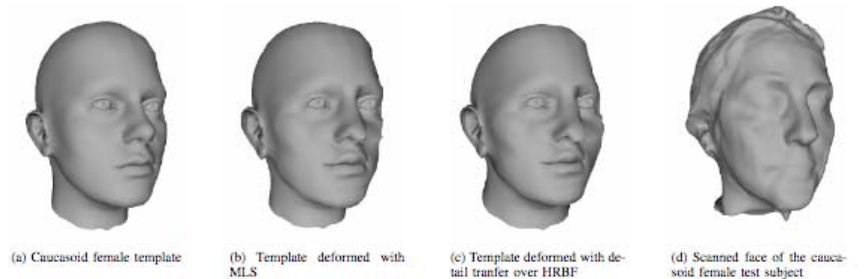
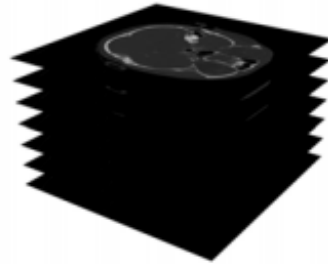


Fig. 10. Template, deformations and scanned face comparison for caucasoid male



New Generation Techniques (Challenges)



(Anderssön et al., 2005)



Fig. 17.6 - Photos of the test person

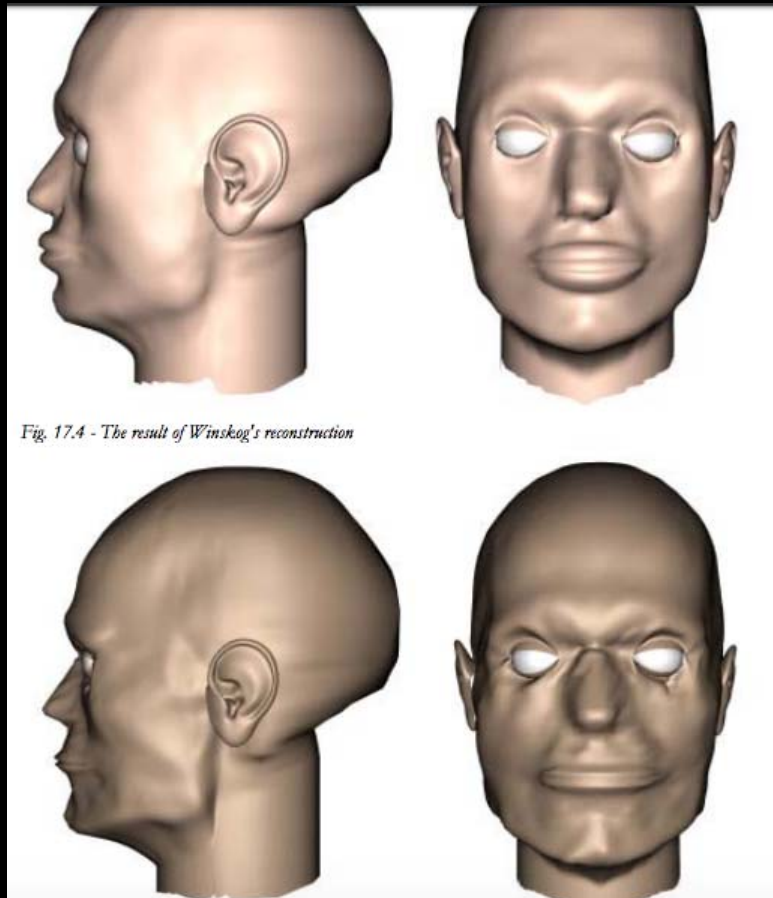


Fig. 17.4 - The result of Winskog's reconstruction

New Generation Techniques (Challenges)

(E-Fit)

ABOUT EFIT-V

WHAT IS EFIT-V ?

EFIT-V is a unique software system that creates near photo-realistic, colour images of criminal suspects from an eyewitness account. It is easy to understand, easy to operate and produces excellent results quickly.



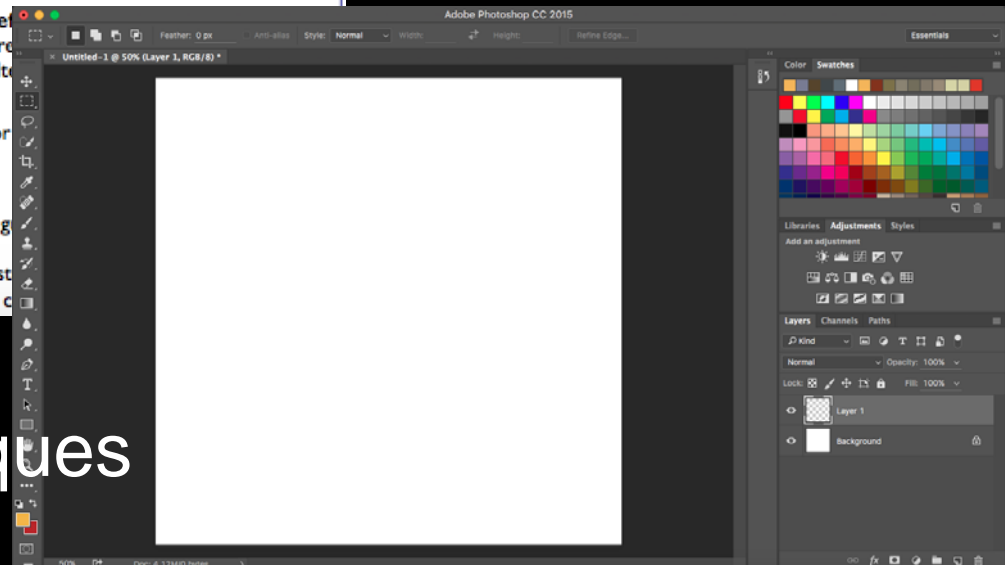
THE BENEFITS

Performance: Since its release in early 2008, licensees are seeing **huge benefits**. **100% in useful intelligence** (Police Professional, IPJ, April 2008) have been recorded. A study of its performance in the field involving more than 1000 interviews resulted in a **75% naming rate** (Driver and Rowbotham, E-FIT user conference 2009)

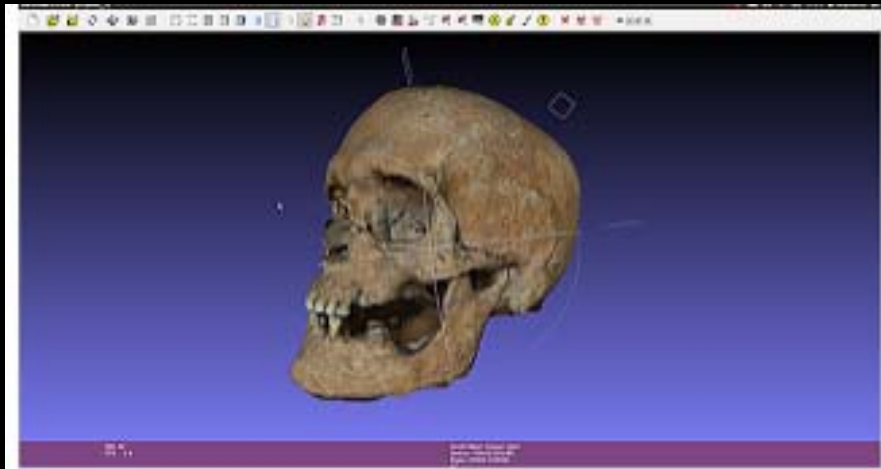
Speed: Construction is typically **considerably quicker** (up to 100%) than for traditional methods.

KEY FEATURES

- ❖ **Intelligent software** – The software actually learns from the witness, gradually refining the target face.
- ❖ **Sophisticated feature transformation** – Allows gross and fine adjustments to features.
- ❖ **Fully automatic age progression** – Operates through a single slider control.



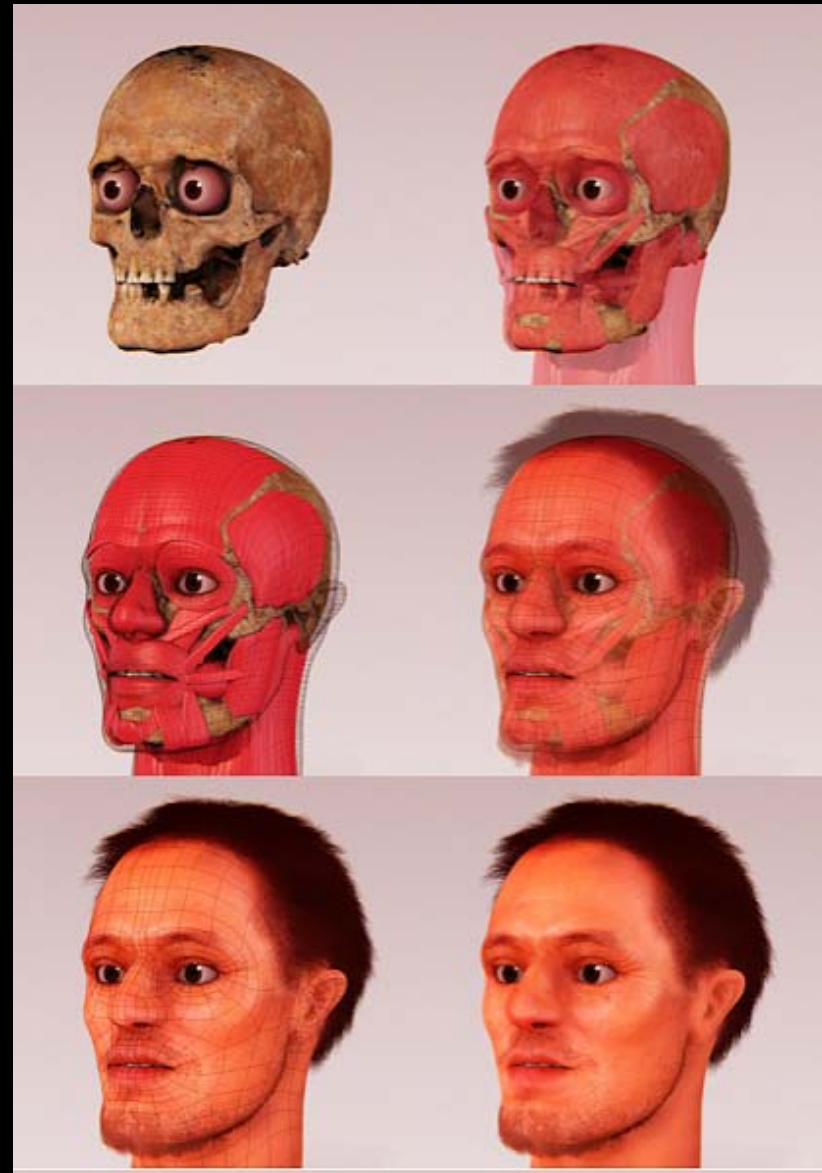
New Generation Techniques (Challenges)



(ATOR Arc-Team Open Research)



New Generation Techniques
(Solutions)





(Phillippe Froesch)

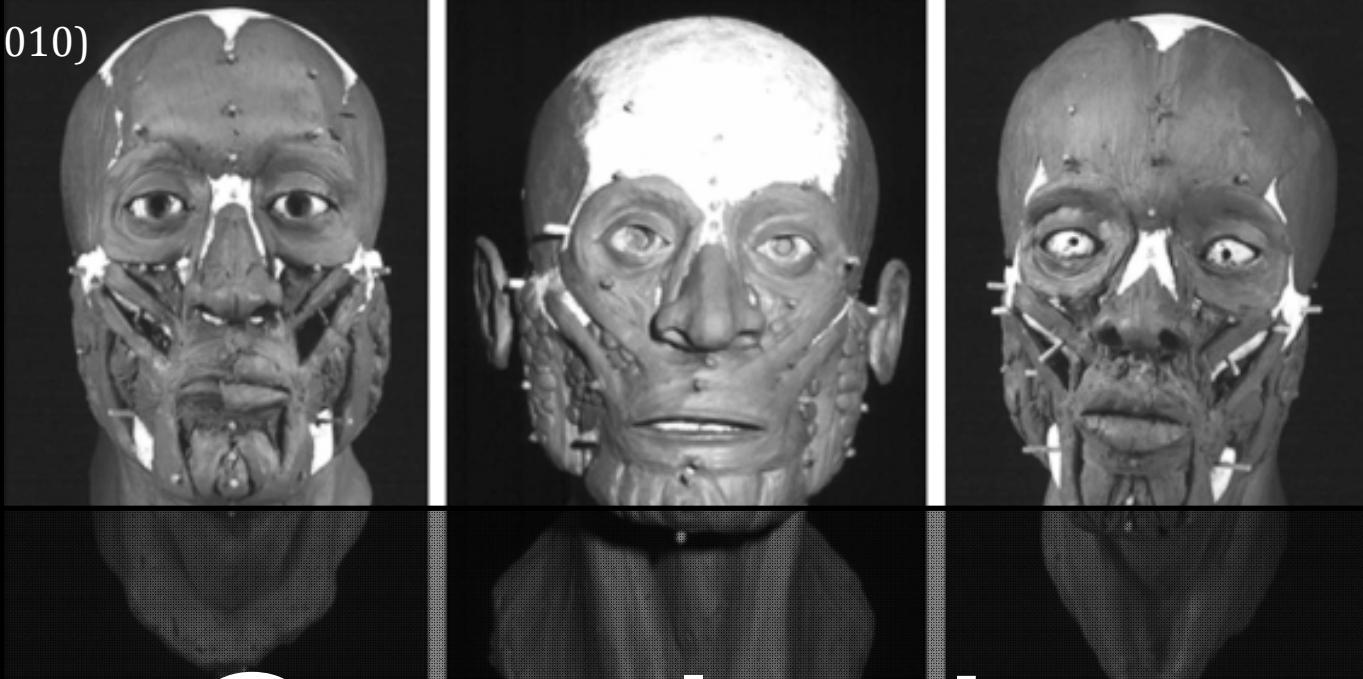
New Generation Techniques (SOlutions)



(George Dawday)



(Wilkinson 2010)



Conclusion



(Phillippe Froesch)

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